

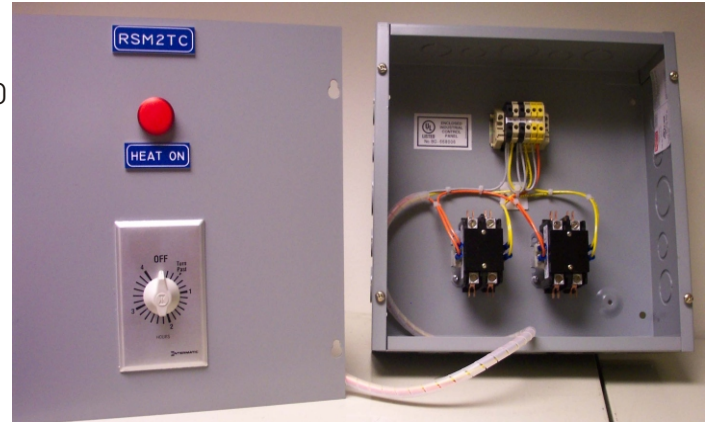
Operational Sequences For RSMCK Series Snow Melt Control Panels And Sensors

RSMCK-1C, RSMCK-2C, And RSMCK-4C Control Panels

The panels are designed to allow systems drawing over 30 amps to be completely automated when using the DS-2B Snow Sensor and Indoor CDP Wired Remote Panel.

One additional feature added to this series panel is the manual override timer which allows the user to bypass the automated Snow Sensor and operate the system in a manual mode. The hold timer (located on the front of the control panel) can be manually set for a maximum of 4 hours in order to melt skim ice or drifting snow.

Another feature is the red "Heat On" light. When lit, the user knows that the system is in operation. This indicator light will also alert the user when the system has been turned on accidentally and prevent unexpected damage to the system.



RSMCK-2C (Shown)

Automated DS-2B Series Snow Sensor

Heating cables are activated when the temperature is 38 degrees F or below and moisture is present. When the sensor detects neither of the above conditions the DS-2B remains on for a maximum period of 90 minutes by default in order to assure the melt is complete. The manual timer on the RSMCK Panel or the CDP Monitor may be used at anytime in order to override the system.



DS-2B Snow Sensor

Severe Cold Pre-Heat Operation

In the event of prolonged periods of severe cold, (4 continuous days of 10-15 degrees F or below) ground temperatures can get extremely low. Orbit Radiant Heating suggests pre-heating the surface previous to any expected event. If possible, manually turn on the system using the timer 3-4 hours previous to the expected event. This will allow the system to have a "head start" in warming up the unusually cold surface. Pre-heating will help insure that the surface is properly conditioned for the maximum performance.

CDP-2 Wired Remote Monitor

The snow melting system can be monitored from inside the facility with the CDP-2 interior 'wired' remote panel. This panel allows the user to control the DS-2B snow sensor and monitor the status with different colored LED lights. With the interior remote panel, the user can choose to turn the system to 'Manual On' incase of re-freeze, and also offers a 'Standby' option if needed. The 'Automatic' option allows the snow sensor to handle all detection and control of the system. The interior remote receives power directly from the snow sensor, and requires no AC Power for operation. The 'Deice On' indicator light will report that the system is on and active.



CDP Indoor Monitor